

DIVERSIFIED WEED CONTROL



JACK GEIGER – GEIGER FARM

CERTIFIED ORGANIC SINCE 1989



1987-Coming out of 80's, Start Farming and **TRANSITION** to organic

Early 90's-
Attend Farm
tours

1993-Crop
Success

1998-Seed Production
OCIA Chapter CRC

2001-Marriage, Wife
asks **WHY**

2010-Elected to OCIA Board
Resolve Conflict
International Exposure
Interact with NOP

2017 and ONGOING
Empowering the children on the farm
YOUTUBE Forces Introspection—Why do it this way????
Public Speaking Engagements to Foster Organic Production
Networking to bring progress to Organic Industry
You need soldiers to for a revolution!!

2018-Farm Prospering, Back on the OCIA BOD
Purchase Dream Truck

2016-OCIA Stabilized, Finish
BOD term and organization
overhaul, Start YOUTUBE
Channel, Seed production
dominates

2007-Purchase Farm,
AUTONOMY

2000-Y2K, Local
Markets for
SB/Wheat/Cows

1997-Japanese
Economic Crash

1990 -Attend K-State,
Agronomy/Natural
Resource Management

1994-Start
Conditioning
Enterprise



“Rule by Obeying”
Implies:

- A Social Contract
- Individual Responsibilities
- Working towards a
Common Good

“Nature’s Laws” Implies:

- Objective Truth v.
Subjective Truth
- Order in The System
- Man is a **Part** of Nature



Our forefathers settled in Northeast Kansas in the 1800's. They came from an area of abundant people with scarce land TO an area of abundant land and scarce people. They practiced a farming ethic (WEED CONTROL) based upon:

- DIVERSITY--Cultural basis including animals, people and skills, food production
- THRIFT—Health and Ease of Care, Local Adaptation
- EFFICIENCY—Energy/Synergy
- SELF RELIANCE—Food, Seed, Community



Generation after generation, those who intended to **remain and prosper** where they were have been dispossessed and driven out, or subverted and exploited where they were, by those who were carrying out some version of the search for **El Dorado**. Time after time, in place after place, these conquerors have **fragmented and demolished** traditional communities, the beginnings of domestic **cultures**. They have always said that what they destroyed was outdated, provincial, and contemptible. And with alarming frequency they have been believed and trusted by their victims, especially when their victims were other white people.

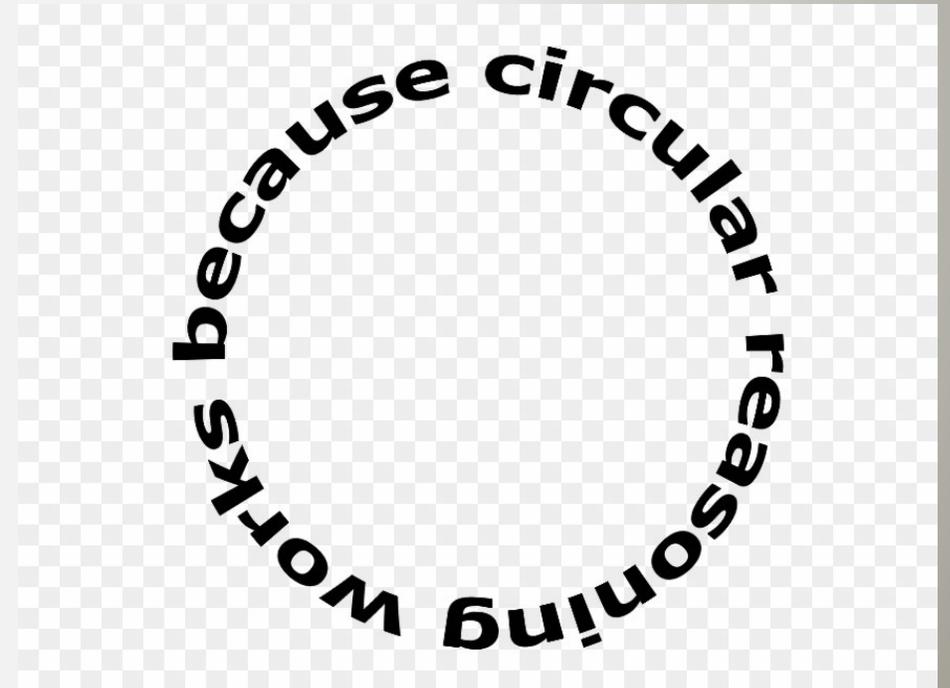
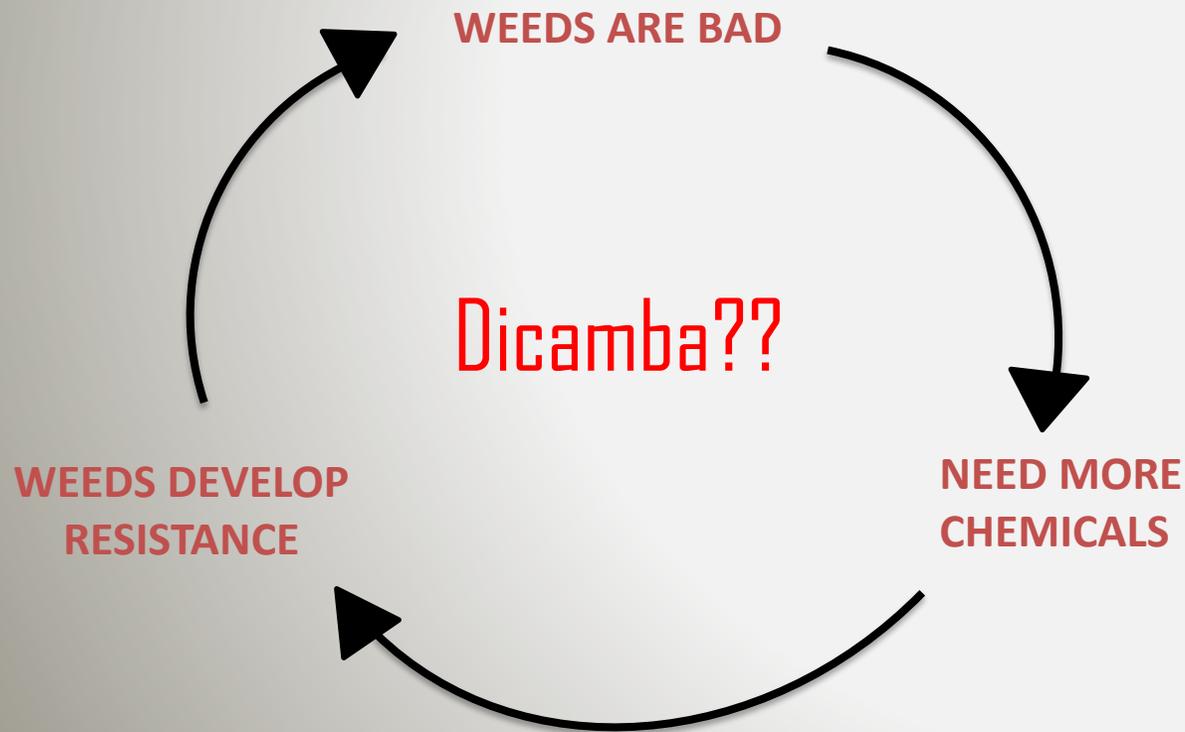
“The Unsettling of America”, Wendell Berry

WHERE IS OUR AGRICULTURE HEADING????

- All Land Owned controlled by one Entity/Farmer
- Full Automation of Agriculture by AI and Robots
- Agriculture in a Degraded Environment/Hydroponic in controlled Environments?
- Endless War based upon Resources (Cradle of Civilization to the Present Middle-East)
- De-Populated Rural Areas AND Megacities

Circular Reasoning

A logical **fallacy** in which the reasoner begins with what they are trying to *end* with. The components of a *circular argument* are often logically valid because if the premises are true, the conclusion must be true.



Paradigm (n)

A typical example or pattern of something; a model

Paradigm Shift (n)

A paradigm shift is a transformation from one organizing theoretical perspective to another.

- Think of a paradigm shift as a change from one way of thinking to another. It's a revolution, a transformation. It does not just happen, but rather it is **driven by agents of change**.

Reductionist (adj)

Analyzing and describing a complex phenomenon in terms of its simple or fundamental constituents

This perspective has allowed us to commoditize single variables while discouraging awareness of system implications.

Successful Farming—50 Harvests + Glossy Pictures

**New Tractor = More Debt = Greater Risk = Lower Margin =
More Land = VICIOUS CYCLE, and repeat**

Synergy (n)

The combined power of a group of things when they're working together that is greater than the total power achieved by each working separately.

Cultural (adj)

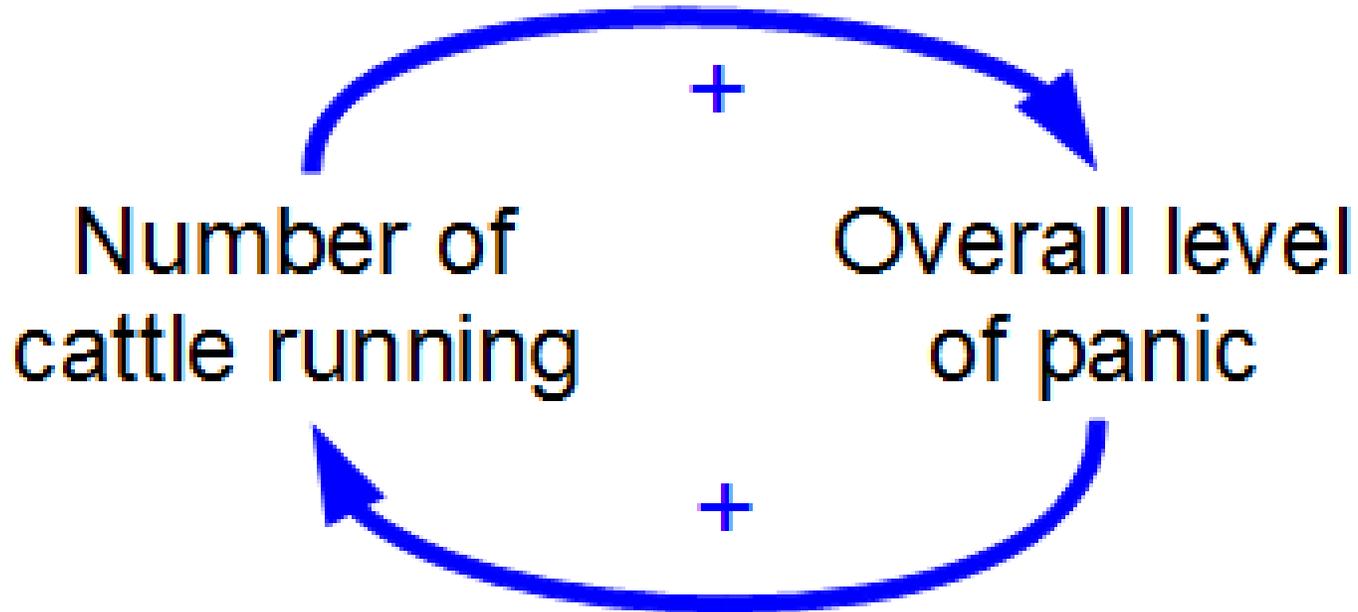
Of or referring to the way of life of a particular people, especially as shown in their **ordinary behavior** and habits, their **attitudes** towards each other, and their **moral** and religious beliefs.

Weed (n)

Any wild plant that grows in an unwanted place, especially in a garden or field where it prevents the cultivated plants from growing freely.

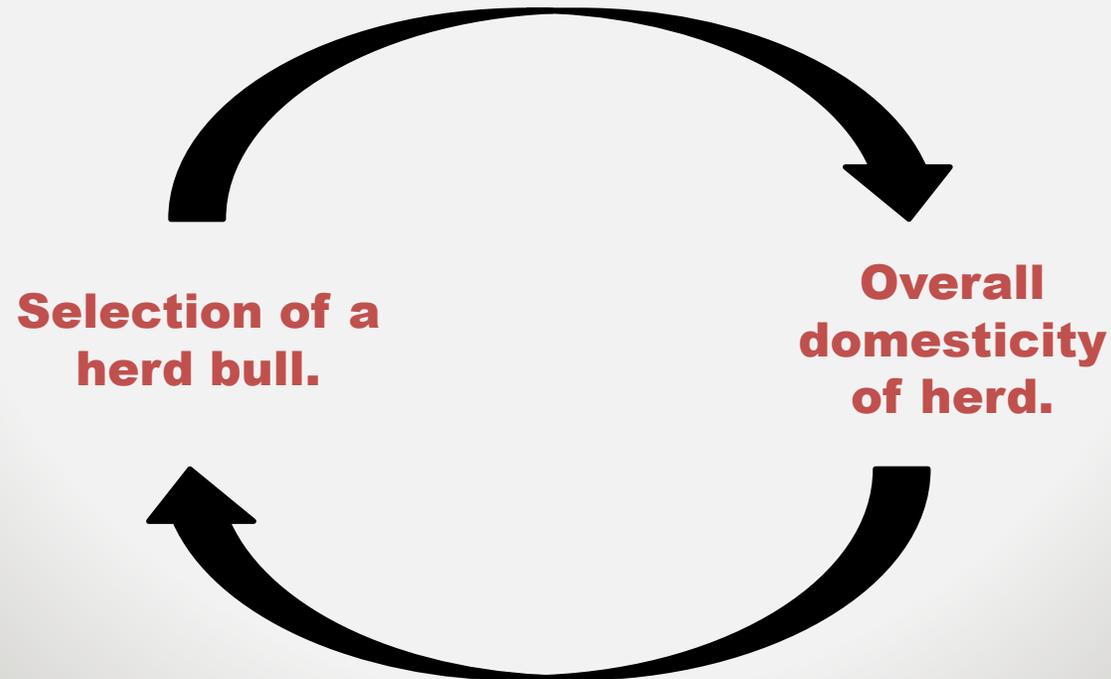
Positive Feedback Loop

A process that occurs in a feedback loop which exacerbates the effects of a small disturbance. That is, the effects of a perturbation on a system include an increase in the magnitude of the perturbation.



Negative Feedback

biology -- when the product of a reaction leads to a decrease in that reaction. In this way, a **negative feedback** brings a **system** closer to a target of **stability** or homeostasis.



Negative Feedback Mechanisms (as related to environmental extremes) relevant to WEED CONTROL

- Good/Increasing soil organic matter...think water retention and nutrient exchange
- High water infiltration rate...think excessive rainfall events (12.5" in 24 hrs), seed emergence, timing of field operations
- Biodiversity on the farm...think hedgerows(wind), cropping buffer(beneficial insects)
- Diversity of Crops...All our crops have a livestock component (feed/bedding/manure management)

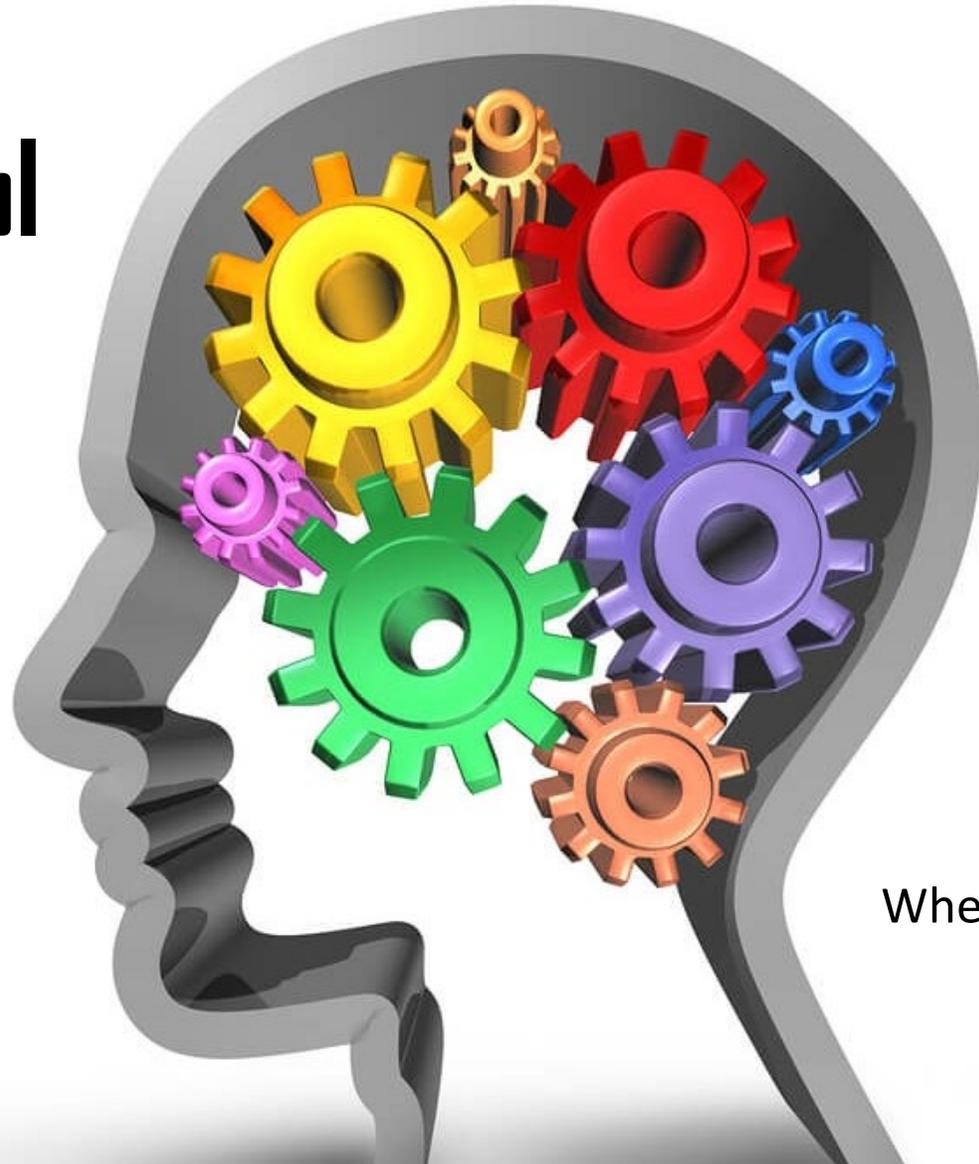
- Successful organic weed control begins long **before a seed** is placed into soil.
- The basic skills necessary to be successful can be learned and the tools already exist.
- All that is necessary is a **STUDENT** willing to learn.
- We should **GIVE** farmers ideas rather than **SELL** them inputs.

A successful **weed** management strategy uses **cultural** wisdom to create **synergies**, environmental and economic, which will allow the operation to thrive in a local environment. The good steward will strive for overall system stability in order survive environmental, economic, and political extremes.

My Favorite Weed Control Tool!!



The Most Important Weed Control Tool!!



When Confronting Problem...**THINK!**

90% of weed control happens **before** a seed is placed into the ground...use culturally based husbandry to accomplish these goals. In the most basic analysis, you must give competitive edge to crop AND limit factors which favor weeds!

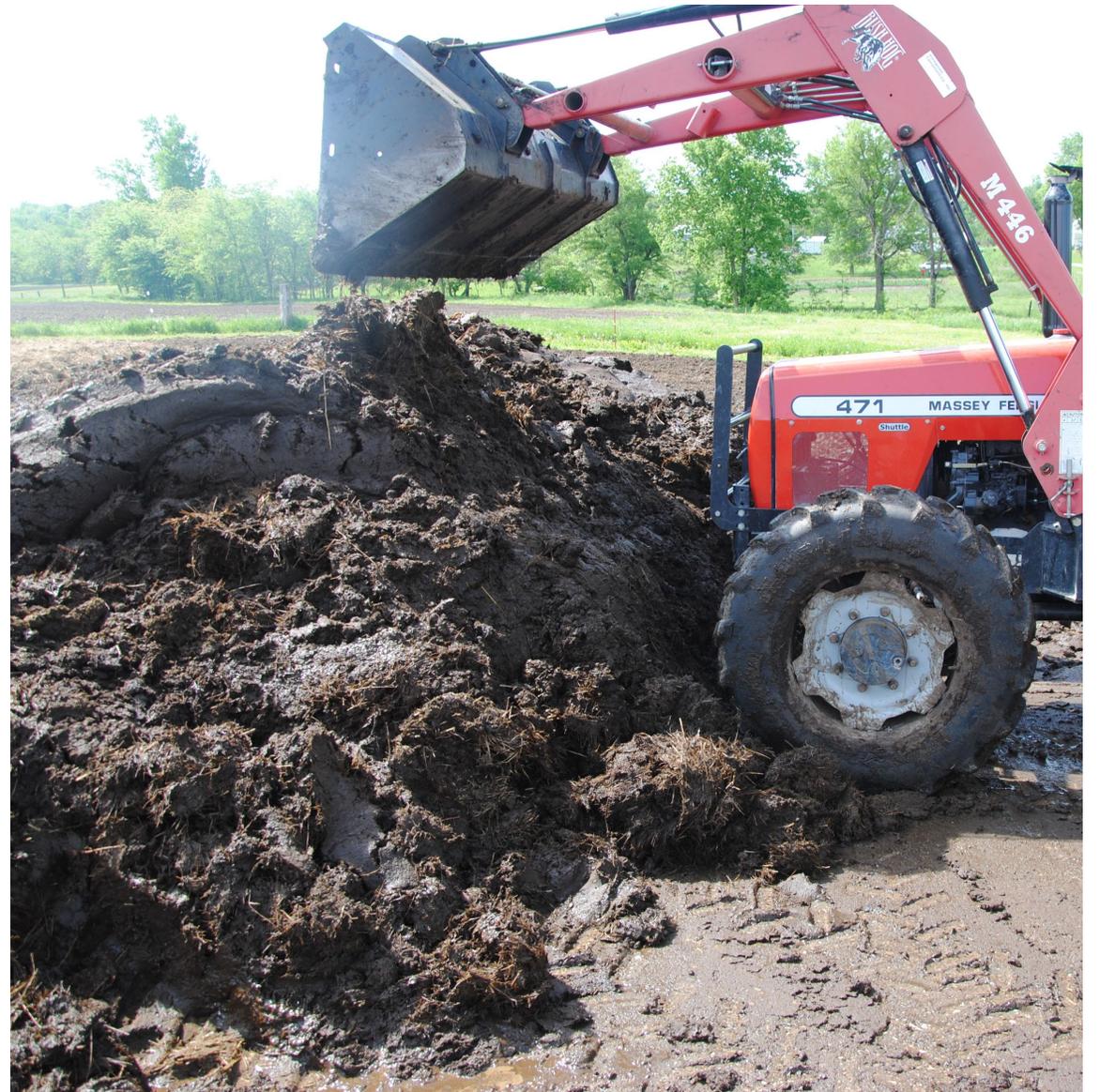
1. Proper Variety Selection:

- Networking with local growers
- Don't grow bananas in Kansas
- Interact with local seed producers
- What do you like to grow



2. Balance Soil Conditions:

- Maximize fertility
- Correct pH (with GOOD lime)...this requires economic analysis
- Understand Base Saturation Ratio and CEC
- BUILD SOIL ORGANIC MATTER



3. Use Good Seed:

- You can produce your own seed. If you do, understand the basics of how to judge seed quality.
- Purchase if necessary, from reputable sources.



4. Planting Conditions

- Appropriate moisture
- Appropriate temps
- Adequate seedbed



5. Seed Placement

- Depth
- Density
- Spacing



6. Keep Records

- Past performance
- Allow enterprise analysis
- Allow future projection

Jack Geiger
Nba Ranch/Geiger Grain
FVO app. 5-16-2011
Update 3-24-2014



— Boundaries
□ Residence
⊠ Storage/Handling
⊠ Micro-Rotation Pastures
○○○○ Tree Buffer > 30 ft
|||| Grass Buffer > 30 ft
--- Road/Grass Buffer > 30 ft

7. Network

- Talk to other organic farmers
- Get Involved in organizations
- Attend farm tours
- **HELP OTHERS**





Geiger Farm
1.68K subscribers

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ABOUT



Description

Educational videos from an NOP Certified Organic (1989), 6th Generation Family Farm in the central United States.

This channel is dedicated to the development of successful, diversified and family scale organic production. Jack does public speaking engagements to this end in the Midwest/Central United States.

Details

For business inquiries: [VIEW EMAIL ADDRESS](#)

Location: United States

Stats

Joined Jun 19, 2016

435,465 views



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